

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
23 June 2005 (23.06.2005)

PCT

(10) International Publication Number
WO 2005/056521 A1

(51) International Patent Classification⁷: **C07C 303/40,**
311/37

[KR/KR]; D-203 Heights Villa, Ocheon-ri, Majang-myun,
Icheon-city, Kyungki-do 467-814 (KR).

(21) International Application Number:
PCT/KR2004/003226

(74) Agent: **LEE, Young-Pil**; The Cheonghwa Bldg. 1571-18,
Seocho-dong, Seocho-gu, Seoul 137-874 (KR).

(22) International Filing Date: 9 December 2004 (09.12.2004)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:
10-2003-0089081
9 December 2003 (09.12.2003) KR

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,
MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH,
PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(71) Applicant (for all designated States except US): **CJ COR-
PORATION** [KR/KR]; 500 Namdaemunro5-ga, Jung-gu,
Seoul 100-749 (KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **CHO, Seong-Hwan**
[KR/KR]; 721-602 Hyundai Apt. 989-2 Youngtong-dong,
Youngtong-gu, Suwon-city, Kyungki-do 442-470 (KR).
LIM, Dong-Kwon [KR/KR]; 109-1301 Samsung Raemian
1cha Apt. 629 Mabuk-ri, Guseong-myun, Yongin-city,
Kyungki-do 449-912 (KR). **LEE, Kwang-Hyeg** [KR/KR];
B-1103 Doosan We've Jennis Apt. 15-4 Jeongja-dong,
Bundang-gu, Seongnam-city, Kyungki-do 463-010
(KR). **YOUN, Yong-Sik** [KR/KR]; 105-1004 Byuksan
Apt., Yeonwonmaeul, Mabuk-ri, Guseong-myun, Yon-
gin-city, Kyungki-do 449-912 (KR). **PARK, Choong-Sil**

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: METHOD OF PREPARING OPTICALLY PURE PHENETHYLAMINE DERIVATIVES

(57) **Abstract:** Provided is a method of preparing an optically pure compound having formula 1 or its salts. The method includes: reacting ².2-(4-methoxy-3-aminosulfonyl-phenyl)-1-methylethylamine or its salts with a compound selected from the group consisting of chloroacetic acid, bromoacetic acid, fluoroacetic acid, iodoacetic acid, α -halogenoacetic acid anhydride, and α -halogenoacetyl halide in the presence of a base or an acylating agent.

WO 2005/056521 A1